

Table 3-1

Period from August 2 to August 29, 1944

State of Montana

Location and time of operation of each loadometer station,
and number of vehicles counted and number weighed at each.

Station number	Route number	Description of station location	Time of operation				Total vehicles counted		Civilian trucks and combinations			Remarks
			Year	Month and day	Day of week	Hours	Military	Civilian	Number counted	Number weighed	Percent weighed	
7	US 10 & US 93	Southeasterly leg of the 3-way junction of US 10 and US 93 west of Missoula:	1944 1943	8/4 8/6	Fri. Fri.	2 PM 10 PM	 15	312 341	92 46	81 37	88.04 80.43	Road under const.
9	US 10	US 10 just west of the junction of US 10 and US 10 A in Drummond	1944 1943	8/3 8/5	Thur. Thur.	6 AM 2 PM	 	219 206	46 50	40 40	86.96 80.00	
11	US 103 & US 91	Easterly leg of the 3-way junction of US 103 and US 91 at Kissler	1944 1943	8/8 8/10	Tue. Tue.	6 AM 2 PM	1 	557 603	125 139	109 96	87.20 69.06	
13	US 91	Southwesterly leg of the 3-way junction of US 91 and Mont. 41 at Dillon	1944 1943	8/7 8/9	Mon. Mon.	2 PM 10 PM	3 	274 305	91 83	86 48	94.51 57.83	
17	US 103	Westerly leg of the 3-way junction of US 103 and Mont. 41 west of Whitehall:	1944 1943	8/9 8/11	Wed. Wed.	2 PM 10 PM	3 62	294 280	49 48	48 48	97.96 100.00	
30	US 12 & US 310	Northeasterly leg of 3-way: junction of US 12 and US 310 at Rockvale	1944 1943	8/16 8/18	Wed. Wed.	6 AM 2 PM	 60	599 326	155 141	144 111	92.90 78.72	
36	US 89 & US 91	On US 89 and US 91 approx. 1.1 miles west of Great Falls	1944 1943	8/25 8/27	Fri. Fri.	6 AM 2 PM	 9	453 456	149 150	134 139	89.93 92.67	

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Table W-1 (Cont'd)
State of Montana

Station Number	Route number	Description of station location	Time of operation				Total vehicles counted		Civilian trucks and combinations			Remarks
			Year	Month and day	Day of week	Hours	Military	Civilian	Number counted	Number weighed	Percent weighed	
41	US 10 & US 12	Southwesterly leg of the 3-way junction of US 10 and US 12 east of Miles City	1944 1943	8/17 8/19	Thur. Thur.	6 AM 2 PM		242 179	65 59	51 55	78.46 93.22	
43	US 10	Easterly leg of the 3-way junction of US 10 and Mont. 18 west of Glendive	1944 1943	8/18 8/20	Fri. Fri.	2 PM 10 PM		403 327	153 110	131 77	85.62 70.00	Grain hauling
45	US 2	Easterly leg of the 3-way junction of US 2 and Mont. 16 at Culbertson	1944 1943	8/21 8/23	Mon. Mon.	6 AM 2 PM		130 135	58 66	56 66	96.55 100.00	
50	Mont. 29	On Mont. 29 approx. 5.3 miles northeast of city limits of Great Falls	1944 1943	8/29 8/31	Tue. Tue.	6 AM 2 PM	6 35	211 191	48 72	43 69	89.58 95.83	Stock sale in Great Falls
51	US 87 & US 89	Southeasterly leg of the 3-way junction of US 87 and US 89 and the 10th Ave. So. Bypass east of Great Falls	1944 1943	8/28 8/30	Mon. Mon.	6 AM 2 PM	2 11	476 415	156 101	138 100	88.46 99.01	
53	US 87	Southerly leg of the 3-way junction of US 87 and Mont. 18 north of Grass Range	1944 1943	8/14 8/16	Mon. Mon.	2 PM 10 PM		113 119	35 44	35 21	100.00 47.73	Grain hauling
54	US 10 & US 87	On US 10 and US 87 0.5 miles northeast of Billings	1944 1943	8/11 8/13	Fri. Fri.	2 PM 10 PM	1	732 714	237 173	234 80	98.73 46.24	Billings Fair

Station number	Route number	Description of station location	Time of operation				Total vehicles counted		Civilian trucks and combinations			Remarks
			Year	Month and day	Day of week	Hours	Military	Civilian	Number counted	Number weighed	Percent weighed	
55	US 10N & US 91	Westerly leg of the 3-way junction of US 10N and US 91 east of Helena	1944	8/2	Wed.	6 AM		448	91	84	92.31	Circus Day
			1943	8/4	Wed.	2 PM	14	495	74	53	71.62	
56	US 10	Westerly leg of the 3-way junction of US 10 and US 89 at Livingston	1944	8/10	Thur.	2 PM	1	272	59	49	83.05	
			1943	8/12	Thur.	10 PM		252	62	34	54.84	
57	US 10	On US 10 west of Laurel	1944	8/15	Tue.	2 PM		424	117	110	94.02	Grain hauling
			1943	8/17	Tue.	10 PM		436	92	72	78.26	
58	US 2	On US 2 west of Glasgow	1944	8/22	Tue.	6 AM		135	54	44	81.48	
			1943	8/24	Tue.	2 PM	7	114	51	51	100.00	
59	US 2	On US 2 west of Havre	1944	8/23	Wed.	6 AM		267	78	66	84.62	
			1943	8/25	Wed.	2 PM	4	266	51	51	100.00	
60	US 2	On US 2 west of Shelby	1944	8/24	Thur.	6 AM		172	63	47	74.60	1 hr. lost due to damage to scales
			1943	8/26	Thur.	2 PM	2	158	50	48	96.00	

Table W-2

Period from August 2 to August 29, 1944

State of Montana

Number and percent of vehicles of each type counted
at 20 loadometer stations during the period
from August 2 to August 29, 1944 compared to similar data for 1943

Type of Vehicle	Number counted during the period			Percent of total civilian vehicles		
	1944	1943	1944:1943	1944	1943	1944:1943
Military Vehicles						
Passenger cars	8	15	0.533			
Single-unit trucks	4	204	0.020			
Tractor-truck and semi-trailer combinations	5	0	5.000			
Trucks with trailed loads						
Busses						
Other vehicles						
Total Military	17	219	0.078			
Civilian Vehicles						
Local passenger cars	3,999	3,836	1.042	59.39	61.30	0.969
Foreign passenger cars	729	668	1.091	10.83	10.67	1.015
Sub Total Passenger Cars	4,728	4,504	1.050	70.22	71.97	0.976
Single-unit trucks (light)	1,517	1,293	1.173	22.53	20.66	1.091
Single-unit trucks (medium)	108	55	1.964	1.61	0.88	1.830
Single-unit trucks (heavy)	21	21	1.000	0.31	0.34	0.912
Tractor-truck and semi-trailer combinations	165	197	.838	2.45	3.15	0.778
Truck and trailer combinations	110	96	1.146	1.63	1.53	1.065
Sub Total Trucks and Combinations	1,921	1,662	1.156	28.53	26.56	1.074
Busses	84	32	0.913	1.25	1.47	0.850
Total Civilian	6,733	6,258	1.076	100.00	100.00	1.000

Table W-3

Period from August 2 to August 29, 1944

State of Montana

Percentages loaded and empty and average total weights, average empty weights, and average maximum axle load of civilian trucks and combinations of each type at 20 loadometer stations during the period from August 2 to August 29, 1944 compared to corresponding data for 1943

Vehicle type and survey year	Loaded and empty vehicles		Loaded vehicles				Empty vehicles			
			Percent of :				Percent of :			
	Distribution by :		total loaded :		Distribution by :		total loaded :		Distribution by :	
	type*	Average weight	and empty of :	each type	type	Average total weight	Average maximum axle loads	and empty of :	each type	Average empty weight
	(percent)	(pounds)	(percent)	(percent)	(percent)	(pounds)	(pounds)	(percent)	(percent)	(pounds)
Single-unit trucks (light)										
1944	78.97	6,541	35.80	68.90	9,647	6,931	64.20	85.98	4,809	
1943	77.80	6,844	43.98	69.80	9,476	6,697	56.02	85.50	4,777	
Ratio 1944:1943	1.015	.956	.814	.987	1.018	1.035	1.146	1.006	1.007	
Single-unit trucks (medium)										
1944	5.62	13,763	61.11	8.37	17,339	11,059	38.89	3.71	8,143	
1943	3.31	15,533	70.83	4.78	17,603	11,288	29.17	1.90	10,507	
Ratio 1944:1943	1.698	.886	.863	1.751	.985	.980	1.333	1.953	.775	
Single-unit trucks (heavy)										
1944	1.09	22,295	71.43	1.90	25,727	12,547	28.57	0.53	13,717	
1943	1.26	23,150	78.57	2.02	25,291	11,745	21.43	0.53	15,300	
Ratio 1944:1943	.865	.963	.909	.941	1.017	1.068	1.333	1.000	.897	
Tractor-Truck semitrailers										
1944	8.59	29,782	56.96	11.92	38,584	15,359	43.04	6.26	18,131	
1943	11.85	30,232	62.73	15.16	37,390	15,180	37.27	8.66	18,182	
Ratio 1944:1943	.725	.985	.908	.786	1.032	1.012	1.155	.723	.997	
Truck and trailers										
1944	5.73	45,529	63.81	8.91	57,460	15,419	36.19	3.52	24,492	
1943	5.78	44,514	69.89	8.24	53,983	14,335	30.11	3.41	22,532	
Ratio 1944:1943	.991	1.023	.913	1.081	1.064	1.076	1.202	1.032	1.087	
Total all types										
1944	100.00	11,672	41.45	100.00	18,792	9,280	58.55	100.00	6,632	
1943	100.00	12,286	49.54	100.00	18,083	8,934	50.46	100.00	6,708	
Ratio 1944:1943	1.000	.950	.837	1.000	1.039	1.039	1.160	1.000	.989	

*Distribution by type of the total civilian trucks and combinations counted during the period, calculated from table W-2.

Table W-4

State of Montana

Period from August 2 to August 29, 1944

Number of axle loads of various magnitudes
per 100 loaded and empty civilian trucks and
combinations of each type at 20 loadometer stations
during the period from August 2 to August 29, 1944
compared to corresponding data for 1943

Axle load in pounds	Single-unit trucks						Tractor-truck semitrailers		Truck and trailers		All trucks and combinations	
	Light		Medium		Heavy		1944	1943	1944	1943	1944	1943
	1944	1943	1944	1943	1944	1943						
Under - 8,000	147.08	143.85	8.90	5.38	1.35	1.62	18.00	23.11	12.28	12.80	187.61	186.76
8,000 - 8,499	.83	.79	.21	.07	.11	.18	.33	1.03	1.15	.93	2.63	3.00
8,500 - 8,999	1.07	1.19	.05	.07	.16	.27	.54	.74	1.04	1.43	2.86	3.70
9,000 - 9,499	1.00	1.03	.26	.14	.10	.36	.27	.51	.98	1.12	2.61	3.16
9,500 - 9,999	.83	1.19	.21	.07	.10	.18	.54	.44	1.15	1.06	2.83	2.94
10,000 - 10,999	1.65	2.23	.36	.34	.05	.09	1.20	1.40	.93	1.99	4.19	6.05
11,000 - 11,999	1.48	2.15	.68	.27	.36	.27	1.30	1.62	1.25	1.74	5.07	6.05
12,000 - 12,999	.89	1.27	.37	.28	.31	.09	1.85	2.35	.65	1.12	4.07	5.11
13,000 - 13,999	1.24	1.19	.21	.14	.11	.18	1.25	2.28	1.31	1.06	4.12	4.85
14,000 - 14,999	1.18	.95	.16	.27	.10	.09	.65	1.32	1.42	1.49	3.51	4.12
15,000 - 15,999	.71	.40	.31	.21		.09	.76	1.99	1.75	1.12	3.53	3.81
16,000 - 16,999	.17	.24	.10	.07			.82	1.47	1.53	1.18	2.62	2.96
17,000 - 17,999			.10	.07			1.19	2.14	.87	.56	2.16	2.77
18,000 - 18,999	.05	.08				.09	.87	.81	.65	.68	1.57	1.66
19,000 - 19,999			.10	.07			.22	.22	.16		.48	.29
20,000 - 21,999					.05		.11	.15			.16	.15
22,000 - 23,999							.11				.11	
24,000 - 25,999												
Total	158.18	156.56	12.02	7.45	2.80	3.51	30.01	41.58	27.12	28.28	230.13	237.38

State of Montana

Percentage frequency distribution of total weights of loaded and empty civilian trucks and combinations of each type at 20 loadometer stations during the period from August 2 to August 29, 1944 compared to corresponding data for 1943

Period from August 2 to August 29, 1944

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State of Montana

Listing showing total weight, axle loads, and axle spacing
of single-unit trucks weighing 13 tons or more and of
combinations weighing 17 tons or more at 20 loadmeter
stations during the period from August 2 to August 29, 1944.

Vehicle type Designation	Total Weight (pounds)	Axle Loads						Axle Spacing					Wheel base	Maximum value of		Station ** int which Axle group weighed
		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F		Value	Value	
2120	52100	5700	23400	12300	10700			12.9	15.6	4.0			32.5	778	B-D	7
3003	36900	8200	6600	7300	6200	5100	3500	13.5	4.3	14.0	16.9	4.3	53.0	397	A-F	7
2120	45800	5500	15400	13100	11800			13.6	13.4	4.0			31.0	702	B-D	7
3003	64800	11700	16200	18600	8500	4700	5100	18.4	4.6	12.6	13.4	4.6	53.6	780	B-C	7
3003	61700	7800	11100	12200	11500	9500	9600	13.6	4.3	14.0	17.8	4.3	54.0	670	B-F	9
3003	60600	8200	11900	12100	10400	8500	9500	13.6	4.3	14.0	17.6	4.3	53.8	653	B-F	9
3003	67900	7700	14200	15000	9300	11800	9900	13.6	4.3	13.0	17.6	4.3	52.8	760	B-F	9
2000	27900	6700	21200					16.2					16.2	496	A-B	9
3002	46200	9400	8000	8400	10400	10000		17.3	4.3	13.8	20.6		56.0	481	A-E	9
3003	72900	9200	14400	13800	13900	10200	11400	16.4	4.6	11.2	12.6	4.3	49.1	876	B-F	9
2110	42000	6500	18000	17500				13.0	14.2				27.2	655	B-C	11
3003	63900	9200	13900	14200	8700	9700	8200	17.5	4.4	12.8	13.0	4.4	52.1	733	B-F	11
3003	48300	9300	12100	11300	6600	4600	4400	18.7	4.6	14.7	11.9	4.6	54.5	517	A-C	11
3000	27900	4000	12100	11800				13.7	4.4				18.1	538	B-C	11
3003	70100	9300	13300	13600	15200	9600	9100	13.8	4.3	14.9	17.9	4.0	54.9	750	B-F	11
3000	35800	7400	14400	14000				14.8	4.0				18.8	645	B-C	11
3003	47100	8100	11900	10900	8400	3300	4500	17.5	4.4	12.8	13.0	4.4	52.1	545	B-D	11
3002	54100	8100	12600	11700	11900	9800		15.8	4.6	12.7	18.6		51.7	632	B-D	11
3000	31800	7300	12900	11600				16.3	4.1				20.4	556	B-C	13
3000	31500	6200	13400	11900				14.9	3.7				18.6	579	B-C	17
2120	36300	5800	17400	6200	6900			13.0	20.7	3.9			37.6	472	B-D	17
2120	52200	6300	18300	13500	14100			13.7	14.7	4.3			32.7	778	B-D	17
3003	65300	10200	12500	13100	12700	8800	8000	13.8	4.7	13.4	18.0	4.7	54.6	690	A-F	17
3002	56700	9900	8300	8600	15400	14500		18.0	4.0	14.6	20.0		56.6	595	B-E	17
3003	67900	9400	11100	13600	9700	12600	11500	13.8	4.7	13.4	18.0	4.7	54.6	724	B-F	17
2002	52600	6600	16800	14100	15100			15.6	13.2	13.7			42.5	688	B-D	30
2002	51600	8200	16500	13100	13800			14.9	10.8	12.6			38.3	685	B-D	30
2002	53700	7700	16200	14400	15400			16.0	11.0	17.1			44.1	675	B-D	30

Table W-6 (Cont'd)
State of Montana

Vehicle type designation	Total Weight (pounds)	Axle Loads (pounds)						Axle Spacing (feet)					Maximum value of c*:Station at while weighed			
		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	Wheel base	Value	Axle group**	
2002	57300	7100	18000	15500	16700			13.7	10.8	14.6			39.1	768	B-D	30
2002	48800	6200	15800	13000	13800			13.9	11.4	12.9			38.2	663	B-D	30
2002	58200	7000	18800	15800	16600			15.5	10.8	14.9			41.2	779	B-D	30
2002	56100	6600	17400	15700	16400			13.4	11.2	12.0			36.6	726	A-D	30
2002	62100	7300	18200	18000	18600			16.7	11.9	16.3			44.9	804	B-D	30
2002	53400	8300	16600	13800	14700			15.0	10.9	13.9			39.8	696	B-D	30
2120	48200	5900	16200	13000	13100			13.4	16.9	4.1			34.4	693	B-D	30
2002	51500	6300	16600	13700	14900			15.0	12.3	15.4			42.7	668	B-D	30
2002	50000	6300	15900	13000	14800			14.7	12.2	14.2			41.1	658	B-D	30
2002	61000	6600	19600	16800	18000			13.5	10.7	17.0			41.2	804	B-D	30
2002	51100	6000	15500	14000	15600			13.7	11.8	17.9			43.4	647	B-D	30
2002	56400	6800	17800	15400	16400			13.7	10.6	14.6			38.9	701	B-D	30
2002	55500	9100	17200	14300	14900			15.0	11.3	13.9			40.2	712	B-D	30
2002	52800	6600	16800	14200	15200			15.7	13.2	13.7			42.6	691	B-D	30
2002	49100	6200	16000	13100	13800			13.9	11.5	12.7			38.1	668	B-D	30
2002	53900	8400	16600	13900	15000			14.9	10.9	13.8			39.6	703	B-D	30
2002	57800	7100	17900	15900	16900			14.6	12.0	14.0			40.6	768	B-D	30
3002	48500	5200	11300	10000	10800	11200		13.0	3.6	10.3	10.9		37.8	668	B-E	30
2110	42000	4900	19000	18100				13.4	19.0				32.4	629	B-C	30
2002	51500	6600	17100	13000	14800			13.9	8.9	14.9			37.7	704	B-D	30
2002	56000	6100	17800	15400	16700			13.8	10.9	14.6			39.3	762	B-D	30
2110	34300	3500	15500	15300				13.8	14.3				28.1	567	B-C	30
2002	59900	9100	18600	15700	16500			15.3	11.4	13.8			40.5	779	B-D	30
2002	55500	6300	18200	14900	16100			15.0	12.6	15.3			42.9	725	B-D	30
2002	54600	6500	16900	15300	15900			13.8	11.9	13.4			39.1	737	B-D	30
2002	55900	8600	17800	14500	15000			14.9	10.8	12.7			38.4	745	B-D	30
2120	35600	5300	12700	8700	8900			12.8	15.4	3.9			32.1	521	B-D	30
2120	44500	4900	15700	12400	11500			13.6	13.4	3.9			30.9	691	B-D	30
3002	79800	8900	16700	16700	17500	19600		16.3	3.9	15.9	18.7		54.8	903	B-E	36
3002	58700	9900	14700	15300	9500	9300		20.0	4.0	14.2	15.0		53.2	682	B-C	36
2110	33800	5000	15500	15300				10.3	16.7				27.0	543	B-C	36
3003	52100	7800	10900	11900	9300	5800	6400	13.8	4.6	13.9	13.6	4.6	50.5	576	B-F	36
3000	27700	4100	13600	10000				13.4	3.9				17.3	538	B-C	36

Vehicle type designation	Total Weight (pounds)	Axle Loads						Axle Spacing					Wheel base	Maximum value of c ¹ station		
		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F		Value	Axle group**	Station at which weighed
3000	26400	6400	10200	9800				14.4	3.9				18.3	456	B-C	36
3002	68900	9100	15200	13400	15600	15600		16.6	3.9	13.9	14.2		48.6	831	B-E	36
3002	79600	8900	16900	16800	17800	19200		16.3	3.9	15.9	18.3		54.4	905	B-E	36
2X20	48800	5800	17200	12700	13100			12.8	16.3	4.2			33.3	721	B-D	41
2002	54900	5300	16900	15200	17300			15.4	9.6	14.9			39.9	769	B-D	41
2X10	35600	6200	17700	11700				13.6	17.7				31.3	510	B-C	41
2X10	41500	6000	17700	17800				13.6	17.7				31.3	615	B-C	41
3003	38900	8900	7000	7000	5100	5300	5600	13.5	4.3	13.0	17.6	4.3	52.7	480	A-F	41
2X10	41100	5300	17800	18000				12.4	17.9				30.3	618	B-C	41
3003	42200	8900	6500	6100	8200	7000	5500	13.7	4.6	13.8	17.9	4.6	54.6	446	A-F	41
2X20	54600	8400	18800	13600	13800			12.6	19.0	4.1			35.7	732	B-D	43
3002	62500	6500	15400	10600	16000	13000		13.0	4.1	12.4	18.0		47.5	761	B-D	43
2X10	45200	6600	18800	19800				13.7	16.7				30.4	681	B-C	43
2X20	47900	6500	16600	12100	12700			15.0	14.3	4.1			33.4	709	B-D	43
2X10	42300	5700	18700	17900				12.7	21.0				33.7	600	B-C	43
2X10	41500	5300	18500	17700				12.7	21.0				33.7	593	B-C	43
2010	38500	4200	18700	15900				11.4	22.7				32.1	570	B-C	45
2010	38600	3600	17600	17400				10.9	18.7				29.6	596	B-C	45
2X20	47500	7700	18700	12100	3000			12.3	19.6	3.9			35.8	627	B-D	50
3002	72800	9400	14100	14200	17700	17400		17.6	4.0	15.9	18.7		56.2	807	B-E	50
3000	27700	5600	11000	11100				14.6	3.9				18.5	503	B-C	50
3X20	34200	6700	6600	9600	5200	6100		13.4	4.4	17.4	3.9		39.1	432	A-E	50
3000	28200	6200	11400	10600				15.6	3.7				19.3	503	B-C	51
2X20	47500	6800	13400	13400	11900			13.6	13.9	4.0			31.5	703	B-D	51
3000	23200	8300	14000	9900				14.9	3.9				18.8	544	B-C	51
3X20	57400	8100	13000	12600	11200	12500		15.9	4.0	11.9	4.0		35.8	823	B-E	51
2X20	52100	6400	17100	13900	14700			13.4	15.8	4.3			33.5	760	B-D	53
2X10	35100	4000	14900	16200				13.0	15.4				28.4	561	B-C	53
2X20	47100	6000	16100	12900	12100			13.4	16.0	3.9			33.3	686	B-D	53
2X20	55800	5900	20300	14100	15500			13.4	16.3	3.9			33.6	829	B-D	53
3000	29700	5400	12500	11800				14.6	4.6				19.2	545	B-C	53

Table E-6 (Cont'd)
State of Montana

Vehicle type Designation:	Total Weight (pounds)	Axle Loads						Axle Spacing					Maximum value of σ			Station at which measured
		A	B	C	D	E	F	1-2	2-3	3-4	4-5	5-6	Wheel base	Value	Axle group ^{1,2}	
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(feet)	(feet)	(feet)	(feet)	(feet)				
2120	45700	5700	16400	12200	11200			13.7	14.6	4.3			32.6	676	B-D	54
2110	47200	6000	16600	13100	10700			13.9	14.0	4.3			32.2	643	B-D	54
2120	47100	6300	17300	11100	12400			14.9	16.0	4.3			35.2	677	B-D	54
2120	48000	5300	16300	12600	13000			15.7	17.6	4.6			35.9	677	B-D	54
2.20	38300	5700	14400	7100	11100			15.5	17.2	4.3			35.0	530	B-D	54
3000	26300	3600	11500	10900				15.6	3.7				19.5	519	B-D	54
2002	34100	4200	17600	7700	9000			14.7	14.0	11.0			39.7	528	B-D	54
2110	34200	6100	16700	15400				13.6	17.7				31.3	574	B-C	54
2002	56200	7000	20300	16100	16400			15.4	10.9	15.7			43.6	746	B-D	54
3003	66800	8300	13100	12300	15300	7000	10000	16.2	4.6	13.7	14.4	4.6	55.5	709	B-F	54
2110	44500	6300	18500	17600				13.6	16.6				30.2	640	B-C	54
2120	40000	6300	19000	10800	11900			12.4	16.9	4.6			35.9	637	B-D	54
2110	36000	4700	15900	15400				13.6	16.6				30.2	523	B-D	54
2002	53900	6800	18400	14700	14000			15.6	11.7	15.8			41.2	638	B-D	54
2120	53000	7500	18900	14000	13200			12.7	15.4	4.3			32.4	712	B-D	54
2120	40400	9100	17500	13100	9900			13.6	16.3	4.6			36.5	644	B-D	54
2120	40400	6200	19700	9600	9900			12.7	15.4	4.3			32.4	637	B-D	54
2120	46300	6200	16500	12900	10600			13.7	14.0	4.6			32.3	624	B-D	54
2120	47700	6100	21000	9600	10500			13.0	22.4	4.3			39.7	616	B-D	54
3000	27600	9100	8300	9300				13.7	4.7				18.4	473	A-C	54
2110	40400	6600	16000	17700				13.6	16.4				30.2	598	B-C	54
3003	65200	8300	15000	14100	9800	10900	2100	14.0	4.6	14.2	13.6	4.6	51.2	737	B-F	55
3003	51600	8900	9400	9500	9900	7000	6900	17.6	4.3	14.6	11.8	4.0	52.3	572	B-F	55
2120	45300	5000	16300	12500	11300			12.5	11.3	4.3			27.1	725	B-D	55
3000	35700	8500	12400	12700				15.7	4.0				19.7	570	B-D	55
2120	44400	6300	16400	11100	10500			15.0	16.3	4.3			35.6	627	B-D	55
3000	35300	7600	13800	13900				15.8	4.0				19.8	630	B-C	55
2120	47000	7000	17800	11100	13700			13.4	16.0	4.3			35.7	624	B-D	55
3120	57400	6300	13500	12600	11300	13500		14.9	4.0	16.9	4.3		40.1	734	B-B	56
3003	66800	8300	10300	15700	14300	10800	8800	13.7	4.3	13.4	17.9	4.5	54.0	729	B-F	56
2120	45100	5900	17500	8800	10900			11.4	22.7	4.6			32.7	553	B-D	57
3003	64800	8300	12900	11500	11100	9500	11500	16.3	4.3	12.6	13.4	4.3	52.9	757	B-F	57
3003	50300	7100	10100	9900	11900	5600	5200	13.7	4.6	13.4	16.3	4.6	54.6	574	A-D	57
2110	38100	5000	16400	16700				11.7	16.4				28.1	587	B-C	57

Vehicle type designation	Total weight (pounds)	Axle Loads						Axle Spacing					Wheel base	Maximum value of c		Station at which weighed
		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F		Value	Axle group**	
3003	49200	8100	11800	12900	7200	4600	4600	13.6	4.6	14.0	17.6	4.6	54.4	564	A-C	57
3003	64300	8900	15100	14700	9900	7200	8600	18.2	3.9	15.3	11.8	3.9	53.1	740	B-F	57
2120	55700	6800	23900	10800	14200			13.2	17.9	4.6			35.7	782	B-D	57
2110	37800	4300	15400	18100				13.3	16.1				29.4	597	B-C	58
2002	62200	10100	18600	15900	17600			16.3	11.0	16.0			45.3	755	B-D	58
3002	74500	9600	14400	14600	17800	17900		17.4	4.0	15.3	16.8		55.5	831	B-E	58
2120	34400	9200	15500	7000	6700			12.4	21.9	4.6			38.9	439	B-D	58
3120	46700	8200	12200	12500	6100	7700		13.7	4.6	17.4	4.6		40.3	582	A-E	59
2120	50900	7100	17300	13700	12600			13.6	16.9	4.3			34.8	716	B-D	59
2110	43700	7100	18700	17900				13.4	17.3				30.7	639	B-C	60
3002	55900	11400	11800	11900	12000	8800		20.1	4.1	15.0	16.1		35.3	604	B-B	60
2002	39600	9500	15700	9500	8900			14.8	11.9	11.2			37.9	540	B-D	60
2110	41200	5300	17400	18500				12.6	16.6				29.2	634	B-C	60
2120	44500	5600	15600	10600	12900			13.6	14.6	4.2			32.4	662	B-D	60
3000	28700	6000	11600	11100				14.7	3.9				18.6	517	B-C	60
2120	51400	5600	18300	13800	13700			13.5	17.9	4.7			36.1	732	B-D	60
3003	77600	9500	15100	15400	13800	10900	12900	15.7	4.0	13.1	14.6	4.0	51.4	900	B-F	60
2120	45100	4900	17300	10300	12600			13.6	17.6	4.3			35.5	649	B-D	60

* Highest value of 'c' in the formula: $c = \frac{W}{L + 40}$ in which L is the distance in feet between the first and last axle of the vehicle or of any interior group of axles, and W is the total weight of the vehicle or of the interior group of axles.

** Designates the outside axles of the group having the highest value of c in the formula as, for example, 'B-C', or 'A-C'.

Table 6-12

Period from August 2 to August 29, 1944

State of Montana

Number and percentage of trucks and combinations of each type
weighed at 20 loadometer stations during the period from
August 2 to August 29, 1944 compared to corresponding data for 1936*

Type of vehicle	Number weighed during the period			Percentage of total number of trucks and combinations		
	1944	1936	1944:1936	1944	1936	1944:1936
Private vehicles						
Single-unit trucks (light)	1,302			75.26		
Single-unit trucks (medium)	86			4.97		
Single-unit trucks (heavy)	6			.35		
Tractor-truck and semitrailer combinations	20			1.16		
Truck and trailer combinations	1			.06		
Total	1,415			81.80		
For-hire vehicles						
Single-unit trucks (light)	36			2.08		
Single-unit trucks (medium)	22			1.27		
Single-unit trucks (heavy)	15			.86		
Tractor-truck and semitrailer combinations	138			7.98		
Truck and trailer combinations	104			6.01		
Total	315			18.20		
Total trucks and combinations	1,730			100.00		

*1936 data not available.

Table W-13
State of Montana

Period from August 2 to August 29, 1944

Percentages loaded and empty and average total weights, average empty weights, and average maximum axle load of private civilian trucks and combinations of each type at 20 loadometer stations during the period from August 2 to August 29, 1944 compared to corresponding data for 1936

Vehicle type and survey year	Loaded and empty vehicles			Loaded vehicles			Empty vehicles		
	Percent of :			Percent of :			Percent of :		
	total loaded: and empty of:			total loaded: and empty of:			total loaded: and empty of:		
	Distri- bution by type* (percent)	Average weight (pounds)	each type (percent)	Distri- bution by type (percent)	Average total weight (pounds)	Average maximum axle loads (pounds)	Distri- bution by type (percent)	Average empty weight (pounds)	
Single-unit trucks (light)									
1944	92.22	6,435	35.33	88.93	9,483	6,845	64.67	94.12	4,770
1936**									
Ratio 1944:1936**									
Single-unit trucks (medium)									
1944	5.36	13,329	60.47	8.85	17,000	10,825	39.53	3.34	7,725
1936									
Ratio 1944:1936									
Single-unit trucks (heavy)									
1944	0.37	21,167	83.33	.84	23,420	11,660	16.67	.10	9,900
1936									
Ratio 1944:1936									
Tractor-Truck semitrailers									
1944	1.68	21,025	30.00	1.38	32,017	14,067	70.00	1.86	16,314
1936									
Ratio 1944:1936									
Trucks and trailers									
1944	0.37	23,200	0.00	0.00			100.00	.58	23,200
1936									
Ratio 1944:1936									
Total all types									
1944	100.00	7,135	36.96	100.00	10,623	7,370	63.04	100.00	5,090
1936									
Ratio 1944:1936									

*Distribution by type of the total private civilian trucks and combinations counted during the period.

**1936 data not available.

Table W-14

Period from August 2 to August 29, 1944

State of Montana

Percentages loaded and empty and average total weights, average empty weights, and average maximum axle load of for hire civilian trucks and combinations of each type at 20 loadometer stations during the period from August 2 to August 29, 1944 compared to corresponding data for 1936

Vehicle type and survey year	Loaded and empty vehicles			Loaded vehicles			Empty vehicles		
	Distri- bution by type *	Average weight	Percent of : total loaded: and empty of: each type	Distri- bution by type	Average total weight	Average maximum axle loads	Percent of : total loaded: and empty of: each type	Distri- bution by type	Average empty weight
(percent)	(pounds)	(percent)	(percent)	(pounds)	(pounds)	(percent)	(percent)	(pounds)	
Single-unit trucks (light)									
1944	11.43	10,367	52.78	9.80	13,605	9,021	47.22	14.05	6,747
1936**									
Ratio 1944:1936**									
Single-unit trucks (medium)									
1944	6.98	15,459	63.64	7.21	18,600	11,929	36.36	6.61	9,963
1936									
Ratio 1944:1936									
Single-unit trucks (heavy)									
1944	4.76	22,747	66.67	5.15	26,880	12,990	33.33	4.13	14,480
1936									
Ratio 1944:1936									
Tractor-Truck semitrailers									
1944	43.81	31,051	60.87	43.30	39,054	15,451	39.13	44.63	18,602
1936									
Ratio 1944:1936									
Trucks and trailers									
1944	33.02	45,743	64.42	34.54	57,460	15,419	35.58	30.58	24,527
1936									
Ratio 1944:1936									
Total all types									
1944	100.00	32,053	61.59	100.00	40,814	14,429	36.41	100.00	18,007
1936									
Ratio 1944:1936									

*Distribution by type of the total for hire civilian trucks and combinations counted during the period.

** 1936 data not available.

Period from August 2 to August 29, 1946

Listing showing total weight, axle load, number of tires on each axle, and size of tires on each axle, of all loaded trucks and combinations, weighed at 20 loadometer stations during the period August 2 to August 23, 1944

Vehicle	Total	Axle A			Axle B			Axle C			Axle D			Axle E			Axle F			Station
type	weight	axle	of	tire	axle	of	tire	axle	of	tire	axle	of	tire	axle	of	tire	axle	of	tire	at whic
designation		load	times	size	load	times	size	load	times	size	load	times	size	load	times	size	load	times	size	weighed
	(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			
2000 L*	12200	2700	2	6-20	3500	4	6-20													7
2000 L	6400	1900	2	6-20	4500	2	7-20													7
2000 L	5400	1500	2	6-17	3300	2	6-17													7
2000 H*	23500	5700	2	9-20	17000	4	9-20													7
2000 L	10200	2900	2	7-20	7300	4	8-20													7
2000 L	9900	3700	2	7-20	6200	4	8-20													7
2000 L	13400	3100	2	7-20	10300	4	7-20													7
2000 L	3700	1800	2	6-16	1900	4	6-16													7
2000 L	6900	2700	2	7-20	4200	4	7-20													7
2000 L	15000	2500	2	7-20	12500	4	7-20													7
2000 L	11400	3100	2	7-20	8300	4	7-20													7
2000 L	5300	2000	2	6-16	3300	4	6-16													7
2000 L	6100	2500	2	7-20	4300	4	7-20													7
2000 H*	18400	5400	2	9-20	13000	4	10-20													7
2000 L	4100	2100	2	6-16	2000	4	6-16													7
2000 H	11600	4900	2	8-20	6700	4	8-20													7
2000 L	20000	4100	2	8-20	15900	4	7-20													7
2000 H	12800	7300	2	10-20	11500	4	10-20													7
2000 L	6700	2600	2	7-20	4100	4	7-20													7
2000 H	13000	3700	2	8-20	9300	4	8-20													7
2000 L	3600	1800	2	6-16	1800	2	6-16													7
2000 L	4000	2100	2	6-16	1900	2	6-16													7
2000 L	4900	2000	2	6-16	2900	2	6-16													7
2000 L	3600	1900	2	6-16	1700	2	6-16													7
2000 L	10400	2500	2	6-20	7900	2	6-20													7
2000 L	8200	2200	2	7-20	6000	4	8-20													7
2000 L	13400	2800	2	7-20	10600	4	8-20													7
2000 L	4000	1900	2	6-16	2100	2	6-16													7
2000 L	8500	3100	2	7-20	5400	4	7-20													7
2000 L	5200	2400	2	6-16	2800	2	6-16													7
2000 L	6900	2600	2	7-20	4300	4	7-20													7
3000 H	17000	4300	2	8-20	6800	4	9-20	5900	4	9-20										7

Vehicle type	Axle A				Axle B				Axle C				Axle D				Axle E				Station at which weighed
	Total weight	axle load	of tires	Tire size	axle load	of tires	Tire size	axle load	of tires	Tire size	axle load	of tires	Tire size	axle load	of tires	Tire size	axle load	of tires	Tire size		
signation	(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			(lbs)				
2000 H	16400	4600	2	8-1-20	11800	4	8-1-20													7	
2000 L	10000	4000	2	8-1-20	6000	4	9-20													7	
2110	22600	4300	2	10-20	11400	4	10-1-20	6900	4	10-1-20										7	
2120	52100	5700	2	9-20	23400	4	11-20	12300	4	10-20	10700	4	10-20							7	
2000 L	12800	3600	2	7-1-20	9200	4	7-1-20													7	
3003	36900	8200	2	10-20	6600	4	10-20	7300	4	10-20	6200	2	10-20	5100	4	10-20	3500	4	10-20	7	
2000 L	21200	5900	2	8-1-20	15300	4	8-1-20													7	
2000 L	7900	2900	2	7-20	4600	4	7-20													7	
2120	45000	5500	2	10-20	14400	4	10-20	13100	4	10-20	11800	4	10-20							7	
3003	64800	11700	2	10-22	16200	4	10-22	16000	4	10-22	8500	4	10-22	4700	4	10-22	5100	4	10-22	7	
2000 L	6300	2100	2	7-15	4200	2	7-15													9	
2000 L	11600	3800	2	7-20	7800	4	7-20													9	
2000 L	8900	3100	2	6-20	5800	4	7-20													9	
3003	61700	7800	2	10-22	11100	4	10-22	11200	4	10-22	11500	4	10-22	9500	4	10-22	9600	4	10-22	9	
2000 L	5100	1900	2	6-16	3200	2	6-16													9	
2000 L	10200	2800	2	7-20	7400	4	7-20													9	
2000 L	4100	1800	2	6-18	2300	2	6-18													9	
3003	60600	8200	2	10-22	11900	4	10-22	12100	4	10-22	10400	4	10-22	8500	4	10-22	9500	4	10-22	9	
2000 L	7900	2800	2	7-15	5100	2	7-15													9	
3003	67900	7700	2	10-22	11200	4	10-22	15000	4	10-22	9300	4	10-22	11800	4	10-22	9900	4	10-22	9	
3000 L	18600	3800	2	8-1-20	7100	4	8-1-20	7900	4	8-1-20										9	
2000 L	13000	3800	2	7-1-20	9200	4	8-1-20													9	
2000 H	27900	6700	2	10-22	21200	4	10-22													9	
2000 L	10000	3000	2	7-20	7000	4	7-20													9	
2000 L	11900	3700	2	7-20	8200	4	7-20													9	
2000 L	6000	1800	2	6-17	4200	2	6-17													9	
2000 L	12200	3400	2	7-20	8600	4	7-20													9	
3002	46200	9400	2	10-20	9000	4	10-20	8400	4	10-20	10400	2	10-20	10000	2	10-20				9	
3000 H	25100	6000	2	8-1-20	10200	4	9-1-20	8900	4	9-1-20										9	
2000 L	8000	3000	2	7-20	5000	4	7-20													9	
2000 L	11700	3600	2	7-20	8100	4	7-1-20													9	
2000 L	4400	1900	2	6-16	2500	2	6-16													9	
2000 L	5900	1700	2	6-16	4200	2	6-16													9	
2000 L	8800	2600	2	6-20	6000	4	6-20													9	
3003	72900	9200	2	10-20	14400	4	10-20	13800	4	10-20	13900	4	10-20	10200	4	10-20	11400	4	10-20	9	
2000 L	13400	2500	2	7-1-20	10700	4	7-1-20													9	
2000 L	4500	1600	2	6-16	2900	2	6-16													9	
2000 L	8900	3400	2	7-1-20	5500	4	9-20													9	
2000 L	11100	3500	2	7-20	7600	4	7-20													9	

[illegible]

Vehicle type designation:	Axle 1			Axle 2			Axle 3			Axle 4			Axle 5			Axle 6			Station lat alt whc weighed	
	Total weight (lbs)	load (lbs)	of tires	Tire size	Total weight (lbs)	load (lbs)	of tires	Tire size	Total weight (lbs)	load (lbs)	of tires	Tire size	Total weight (lbs)	load (lbs)	of tires	Tire size	Total weight (lbs)	load (lbs)		of tires
2000 L	14500	3100	2	7-20	11800	4	7-20													30
2000 L	14500	3700	2	8-20	14800	4	7-20													30
2002	52600	6600	2	10-22	16800	4	11-22	14100	4	11-22	15100	4	11-22							30
2002	51600	8200	2	11-22	11500	4	11-22	13100	4	11-22	13800	4	11-22							30
2002	53700	7700	2	11-22	16200	4	11-22	14400	4	10-20	15400	4	10-20							30
2002	57300	7100	2	11-22	18000	4	11-22	13500	4	11-22	16700	4	11-22							30
2002	48800	6200	2	10-20	15800	4	10-20	13900	4	10-20	14800	4	10-20							30
2002	58200	7000	2	11-22	18800	4	11-22	15800	4	11-22	16600	4	11-22							30
2002	56100	6600	2	10-20	17400	4	10-20	15700	4	10-20	16400	4	10-20							30
2002	62100	7300	2	10-20	18200	4	10-20	18000	4	10-20	18600	4	10-20							30
2002	53400	8300	2	10-20	16600	4	10-20	13800	4	10-20	14700	4	10-20							30
2x10	24500	6400	2	9-20	10700	4	9-20	7400	4	9-20										30
2x20	48200	5900	2	10-20	16200	4	10-20	13000	4	10-20	13100	4	10-20							30
2002	51500	6300	2	10-20	16600	4	10-20	13700	4	10-20	14900	4	10-20							30
2000 M	20500	6100	2	9-20	14800	4	9-20													30
2000 L	11600	2600	2	7-20	9000	4	7-20													30
2002	50000	6300	2	10-20	15700	4	10-20	13000	4	10-20	14800	4	10-20							30
2002	61000	6600	2	11-22	19600	4	11-22	16800	4	11-22	18000	4	11-22							30
2002	51100	6000	2	10-20	15500	4	10-20	14000	4	10-20	15600	4	10-20							30
2002	56400	6800	2	11-22	17800	4	11-22	15400	4	11-22	16400	4	11-22							30
2002	55500	9100	2	11-22	17200	4	11-22	14300	4	11-22	14900	4	11-22							30
2000 L	4300	1700	2	6-16	2600	2	6-16													30
2000 L	10100	1600	2	7-20	8500	4	7-20													30
2000 L	3100	1300	2	5-16	1800	2	5-16													30
2002	52800	6700	2	10-20	16800	4	10-20	14200	4	10-20	15200	4	10-20							30
2000 L	8000	1900	2	6-16	6100	4	6-16													30
2000 L	19400	3400	2	6-20	15000	4	6-20													30
2002	47100	6200	2	10-20	16000	4	10-20	13100	4	10-20	13800	4	10-20							30
2000 L	6300	2800	2	8-20	5500	4	8-20													30
2000 L	5400	2200	2	6-20	3200	2	6-20													30
2002	53900	8400	2	10-20	16600	4	10-20	13900	4	10-20	15000	4	10-20							30
2002	57800	7100	2	10-20	17900	4	10-20	15500	4	10-20	16900	4	10-20							30
2000 L	4400	1700	2	6-16	2700	2	6-16													30
2000 L	9000	2700	2	7-20	6300	4	7-20													30
2000 L	17600	4800	2	7-20	12800	4	7-20													30
3002	48500	5200	2	10-20	11300	4	10-20	10000	4	10-20	10800	4	10-20	11200	4	10-20				30
2000 L	17400	4300	2	7-20	13100	4	7-20													30
2000 L	16400	3100	2	7-20	13300	4	7-20													30
2x10	42000	4900	2	10-20	19000	4	10-20	18100	4	10-20										30

[illegible]

Vehicle	type	total weight	axle load	of tires	tire size	axle load	of tires	tire size	axle load	of tires	tire size	axle load	of tires	tire size	axle load	of tires	tire size	station at which weighed
designation		(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			
2000 L		11700	1700	2	6-20	10000	4	6-20										36
2000 L		17200	4900	2	8-20	12300	4	8-20										36
2000 L		15400	3800	2	7-20	11600	4	7-20										36
2000 L		17200	4700	2	7-20	12500	4	7-20										36
2000 L		6600	2800	2	6-20	3800	4	6-20										36
2120		32300	7000	2	10-20	12900	4	10-20	6200	4	10-20	6200	4	10-20				36
2000 L		5400	2000	2	6-16	3400	2	6-16										36
2000 L		16400	2300	2	7-20	14100	4	7-20										36
3000 M		27700	4100	2	9-20	13600	4	9-20	10000	4	9-20							36
2000 L		14600	2700	2	7-20	11900	4	7-20										36
2000 L		14300	3700	2	6-20	10600	4	6-20										36
3000 M		20400	6400	2	9-20	10200	4	9-20	9800	4	9-20							36
2000 L		4900	1900	2	6-16	3000	2	6-16										36
2000 L		17000	4700	2	7-20	12300	4	7-20										36
2000 M		7800	2600	2	6-22	5200	2	6-22										36
2000 L		7000	3200	2	7-17	4600	2	7-17										36
2000 L		5900	1700	2	6-16	2200	2	6-16										36
2000 L		21700	5800	2	8-20	16200	4	8-20										36
2000 L		9700	2600	2	7-20	7100	4	7-20										36
2000 L		9200	3900	2	7-20	5300	4	7-20										36
2000 L		11300	2500	2	6-20	9400	4	7-20										36
2000 L		4400	1400	2	6-16	3000	2	6-16										36
2000 L		6000	2200	2	6-20	3800	2	7-20										36
3002		65900	9100	2	11-20	15200	4	11-20	15400	4	11-20	15600	4	11-20	15400	4	11-20	36
2000 L		11900	2600	2	7-20	9300	4	7-20										36
2000 L		10100	2400	2	6-20	7700	2	7-20										36
2000 L		7600	2000	2	7-20	5600	4	7-20										36
2000 L		9200	2500	2	6-20	6700	4	6-20										36
2000 L		16600	4600	2	7-20	12000	4	7-20										36
2000 L		9500	2800	2	6-20	6700	4	6-20										36
2000 L		7100	2600	2	6-20	4500	2	6-20										36
2000 R		9500	3400	2	6-20	6100	4	6-20										36
2000 L		4800	1800	2	7-16	3000	2	7-16										36
2000 L		20400	5200	2	7-20	15200	4	6-20										36
2000 L		12400	2900	2	7-20	9500	4	7-20										36
2000 L		4600	1900	2	6-16	2700	2	6-16										36
2000 L		5600	1800	2	6-20	3800	2	6-20										36
3002		79600	8900	2	11-20	16900	4	11-20	16800	4	11-20	17800	4	11-20	19200	4	11-20	36

Vehicle type Designation	Axle A				Axle B				Axle C				Axle D				Axle E				Station at exit weighed
	Total weight	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size		
	(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			(lbs)				
2000 L	17000	3400	2	7-20	13600	4	8-20												43		
2000 L	7300	2500	2	6-20	5000	4	6-20												43		
2000 L	6800	1900	2	6-16	4900	2	6-16												43		
2000 L	6900	1000	2	6-20	5900	2	6-20												43		
2000 L	12200	2500	2	7-20	9700	4	7-20												43		
2000 L	16200	3400	2	7-20	12800	4	7-20												43		
2000 L	12600	2400	2	7-20	10200	4	7-20												43		
2000 L	12400	2100	2	7-20	10300	4	7-20												43		
2000 L	5200	1800	2	6-16	3400	2	6-16												43		
2000 L	10200	2800	2	7-20	7400	4	7-20												43		
2000 L	5700	1800	2	6-16	3900	2	6-16												43		
2000 L	4600	1800	2	6-16	2800	2	6-16												43		
2000 L	12000	3800	2	6-20	8200	4	6-20												43		
2000 L	13400	2800	2	7-20	10600	4	7-20												43		
2000 L	13200	3000	2	6-20	10200	4	6-20												43		
2000 L	4800	2100	2	6-16	1900	2	6-16												43		
2000 L	14200	3400	2	7-20	10800	4	7-20												43		
2000 L	11300	3600	2	7-20	7700	4	7-20												43		
2000 L	12500	3200	2	7-20	9300	4	7-20												43		
2000 L	12500	1700	2	7-20	10800	4	7-20												43		
2000 L	5100	1900	2	6-16	3200	2	6-16												43		
2000 L	16000	3300	2	7-20	12700	4	7-20												43		
2000 M	15800	3100	2	7-20	12700	4	7-20												43		
2000 L	10800	2300	2	7-20	8500	4	7-20												43		
2000 L	7400	2200	2	6-16	5200	2	6-16												43		
2000 L	12000	2100	2	7-20	9900	4	7-20												43		
2000 L	6300	1700	2	6-16	4600	2	6-16												43		
2000 L	14400	2700	2	7-20	11700	4	7-20												43		
2000 L	14300	2700	2	7-20	11600	4	7-20												43		
2000 L	5200	1600	2	6-16	3600	2	6-16												43		
2120	47700	6500	2	10-20	16600	4	10-20	12100	4	10-20	12700	4	10-20						43		
2000 L	17800	3300	2	7-20	14500	4	7-20												43		
2110	27200	4700	2	10-20	11500	4	10-20	10900	4	10-20									43		
2000 M	13900	3400	2	7-20	10500	4	7-20												43		
2110	42300	5700	2	10-20	16700	4	10-20	17900	4	10-20									43		
2000 L	13700	2700	2	6-20	11000	4	6-20												43		
2000 L	16200	3900	2	8-20	12300	4	8-20												43		
2000 L	6300	1900	2	6-16	4400	2	6-16												43		
2000 L	6200	1700	2	6-16	4500	2	6-16												43		

Vehicle	Axle 1			Axle 2			Axle 3			Axle 4			Axle 5			Station	
type	Total	Axle	of	Tire	Axle	of	Tire	Axle	of	Tire	Axle	of	Tire	Axle	of	Tire	at mile
signation	weight	load	tires	size	load	tires	size	load	tires	size	load	tires	size	load	tires	size	weight
	(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			
2000 L	9500	3000	2	6-20	6500	2	6-20										43
2000 L	19000	4100	2	8-20	14900	4	8-20										43
2000 L	16500	1100	2	7-20	15400	4	7-20										43
2110	41500	5300	2	10-20	18500	4	10-20	17700	4	10-20							43
2000 L	14500	3000	2	7-20	11500	4	7-20										43
2000 L	6600	1800	2	6-16	4800	2	6-16										43
2110	38800	4200	2	10-20	18700	4	10-20	13900	4	10-20							45
2110	38600	3600	2	9-20	17600	4	10-20	17400	4	10-20							45
2000 L	7700	2300	2	6-20	5400	4	6-20										45
2000 L	16200	2800	2	6-20	13400	4	7-20										45
2000 L	17800	3100	2	7-20	14700	4	7-20										45
2000 L	6400	2100	2	7-15	4300	2	7-15										45
2000 L	10700	3100	2	7-20	7600	4	7-20										45
2000 L	5100	2000	2	6-16	3100	2	6-16										45
2120	33900	5200	2	10-20	13900	4	10-20	6900	4	10-20	7300	4	10-20				45
2000 L	5700	1800	2	6-16	3900	2	6-16										45
2000 L	8700	2500	2	8-20	6200	4	8-20										45
2000 L	8100	1900	2	6-20	6200	4	6-20										45
2000 M	20000	5000	2	7-20	15000	4	8-20										45
2000 L	17100	3700	2	7-20	13400	4	8-20										45
2000 M	20300	5100	2	8-20	15200	4	8-20										45
2000 L	6300	2100	2	7-17	4200	2	7-17										45
2110	31300	4000	2	8-20	13700	4	8-20	14200	4	8-20							45
2000 L	4400	2100	2	6-16	2300	2	6-16										45
2000 L	8100	2200	2	6-16	5900	2	6-16										45
2000 L	17300	4400	2	7-20	12900	4	8-20										45
2000 L	8600	2900	2	6-20	5700	4	6-20										45
2120	147500	7700	2	10-20	18700	4	10-20	12100	4	10-20	9000	4	10-20				50
2000 L	6200	2200	2	7-20	4000	2	7-20										50
3002	72800	9400	2	11-20	14100	4	11-20	14200	4	11-20	17700	4	11-20	17400	4	11-20	50
2000 M	14500	3500	2	7-20	11200	4	7-20										50
2000 L	4000	1600	2	6-16	2400	2	7-17										50
2000 L	5100	2100	2	6-20	3000	2	6-20										50
2000 L	13000	2800	2	7-20	10200	4	7-20										50
3000 H	27700	3600	2	9-20	11000	4	9-20	11100	4	9-20							50
2000 L	9100	2200	2	6-20	6900	4	6-20										50

Vehicle type Designation	Axle 1			Axle 2			Axle 3			Axle 4			Axle 5			Station at wheel weight
	Total weight (lbs)	Axle load (lbs)	Tire of : Tires : size	Axle load (lbs)	Tire of : Tires : size	Axle load (lbs)	Tire of : Tires : size	Axle load (lbs)	Tire of : Tires : size	Axle load (lbs)	Tire of : Tires : size	Axle load (lbs)	Tire of : Tires : size			
2120	55800	5900	2 : 10-20	20300	4 : 11-20	14100	4 : 11-20	15500	4 : 11-20						53	
2000 L	13800	4100	2 : 7-20	9750	4 : 7-20										53	
2000 L	14100	3000	2 : 7-20	11100	4 : 7-20										53	
2000 L	6500	1900	2 : 7-20	4600	4 : 7-20										53	
3000 M	29700	5400	2 : 10-20	12500	4 : 10-20	11800	4 : 10-20								53	
2000 M	16200	4700	2 : 8-20	11500	4 : 8-20										53	
2000 M	3800	1600	2 : 6-16	2200	2 : 6-16										53	
2000 L	14400	3100	2 : 7-20	11300	4 : 7-20										54	
2000 L	18500	3600	2 : 7-20	14500	4 : 7-20										54	
2000 L	18100	3400	2 : 7-20	14700	4 : 7-20										54	
2000 L	19400	3600	2 : 6-20	15800	4 : 6-20										54	
2000 L	7050	2100	2 : 6-16	4900	2 : 6-16										54	
2000 L	12300	3400	2 : 7-20	14500	4 : 7-20										54	
2120	45700	5900	2 : 10-20	16400	4 : 10-20	12200	4 : 10-20	11200	4 : 10-20						54	
2000 L	12800	3000	2 : 7-20	9800	4 : 7-20										54	
2000 L	10800	3400	2 : 8-20	7400	4 : 8-20										54	
2000 L	10500	3000	2 : 8-20	7500	4 : 8-20										54	
2000 L	15400	4000	2 : 7-20	11400	4 : 7-20										54	
2000 L	4900	2400	2 : 6-16	2500	2 : 6-16										54	
2000 L	13400	4000	2 : 8-20	9800	4 : 8-20										54	
2110	26200	4300	2 : 8-20	11500	4 : 9-20	10400	4 : 9-20								54	
2000 L	9200	2100	2 : 6-16	3100	2 : 6-16										54	
2000 L	14900	3200	2 : 7-20	11700	4 : 7-20										54	
2000 L	12100	4700	2 : 8-20	7400	4 : 8-20										54	
2000 L	4600	2100	2 : 6-16	2500	2 : 6-16										54	
2000 L	12000	2700	2 : 8-20	9300	4 : 8-20										54	
2120	47200	6800	2 : 10-20	16600	4 : 10-20	13100	4 : 10-20	16700	4 : 10-20						54	
2000 L	6400	2100	2 : 6-16	4300	2 : 6-16										54	
2000 L	3800	1700	2 : 6-16	2100	2 : 6-16										54	
2000 L	16000	3000	2 : 7-20	13000	4 : 7-20										54	
2110	26700	3700	2 : 8-20	11000	4 : 8-20	12200	4 : 8-20								54	
2000 L	16900	3000	2 : 7-20	13900	4 : 7-20										54	
2000 L	11200	2500	2 : 7-20	8700	4 : 7-20										54	
2120	47100	6900	2 : 10-22	17300	4 : 10-22	11100	4 : 10-22	12400	4 : 10-22						54	
2120	48000	5900	2 : 9-20	16500	4 : 9-20	12600	4 : 10-20	13000	4 : 10-20						54	
2000 M	12100	4000	2 : 8-20	8100	4 : 8-20										54	

Vehicle		Axis 1	Axis 2	Axis 3	Axis 4	Axis 5	Axis 6	Axis 7	Axis 8	Axis 9
type	Total	No.	No.	No.	No.	No.	No.	No.	No.	No.
Designation:	weight:	load	of	Tire	load	of	Tire	load	of	Tire
	(lbs)	(lbs)	size	size	(lbs)	size	size	(lbs)	size	size
2000 L	15500	3800	2	8-20	11700	4	8-20			
2720	38300	5700	2	10-20	14400	4	10-20	7100	4	10-20
2000 L	7300	2600	2	7-20	4700	4	7-20			
2000 L	5000	2100	2	6-16	2900	2	6-16			
2000 M	14200	3500	2	8-20	10700	4	8-20			
2000 L	4200	1900	2	6-16	2300	2	6-16			
2000 L	8600	2500	2	7-20	6100	4	7-20			
3000 M	26300	3600	2	9-20	11800	4	9-20	10900	4	5-20
2002	39100	4800	2	10-20	17600	4	10-20	7700	4	10-20
2000 M	16100	3200	2	8-20	12900	4	8-20			
2110	39200	6100	2	10-20	16700	4	10-20	16400	4	10-20
2000 L	10500	3000	2	8-20	7500	4	8-20			
2002	58200	7200	2	11-20	18500	4	11-20	16100	4	11-22
2000 L	8400	2500	2	8-20	5900	4	8-20			
3003	66100	8900	2	10-22	13100	4	10-22	12300	4	10-22
2000 L	16400	3000	2	7 1/2-20	13400	4	7 1/2-20			
2100 L	4000	1800	2	6-20	2200	4	6-20			
2000 L	6900	2000	2	7-20	4900	4	7-20			
2000 L	10400	2400	2	6-20	8000	4	6-20			
2110	42500	6300	2	10-20	18600	4	10-20	17600	4	10-20
2000 L	11500	3600	2	7 1/2-20	7900	4	7 1/2-20			
2720	48000	6300	2	10-20	13000	4	10-20	10800	4	10-20
2110	36000	4700	2	9-20	13900	4	10-20	13400	4	10-20
2000 L	12600	3100	2	7-20	9500	4	7 1/2-20			
2110	27500	3300	2	7 1/2-20	12400	4	7 1/2-20	11800	4	7 1/2-20
2000 L	10500	3200	2	7-20	7300	4	7 1/2-20			
2002	55500	6800	2	10-20	18400	4	10-20	14700	4	10-20
2000 L	4100	1900	2	6-16	2700	2	6-16			
2720	55000	7500	2	10-20	18300	4	10-20	14000	4	10-20
2720	46400	5900	2	10-20	17500	4	10-22	13100	4	10-22
2000 L	6800	2000	2	6-17	4800	2	6-17			
2000 L	6000	2200	2	6-17	3800	2	6-17			
2720	45400	6200	2	10-20	19700	4	10-22	9600	4	10-22
2000 L	11400	2500	2	7 1/2-20	8900	4	7 1/2-20			
2000 L	7000	2400	2	6-16	4600	2	6-16			
2110	25000	4400	2	9-20	9000	4	10-20	10400	4	10-20
2000 L	11300	2700	2	7 1/2-20	8600	4	7 1/2-20			
2720	46300	6200	2	10-20	18600	4	10-22	12300	4	10-22

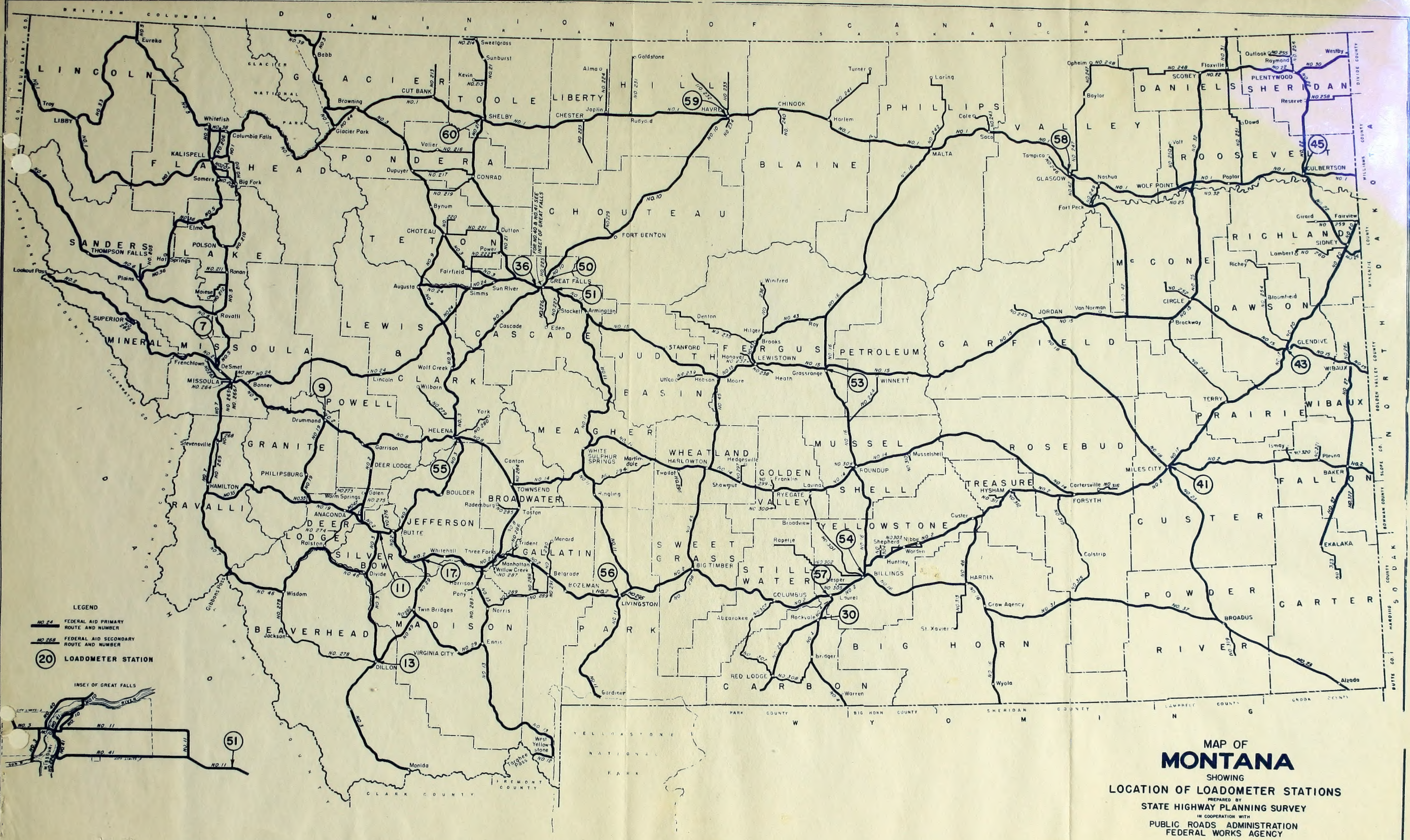
Vehicle type designation:	Axle 1				Axle 2				Axle 3				Axle 4				Axle 5				Total weight
	No.	of	Tire size	load	No.	of	Tire size	load	No.	of	Tire size	load	No.	of	Tire size	load	No.	of	Tire size	load	
2120	47700	6600	2	10-20	21000	4	10-22	9600	4	10-22	10500	4	10-22								94
3000 H	27400	9800	2	10-20	8400	4	10-20	9300	4	10-20											54
2000 L	8400	3200	2	6-20	5600	4	6-20														54
2110	40300	6400	2	10-20	16000	4	10-20	17700	4	10-20											54
2000 L	11300	2400	2	7-20	7200	4	4-23														54
2000 H	17400	4800	2	9-20	12000	4	10-20														54
2000 L	4500	1800	2	6-16	2500	2	6-16														54
3003	64000	8900	2	10-22	13000	4	10-22	14100	4	10-22	7500	2	10-22	10700	4	10-22	3100	4	10-22		54
3003	51600	8500	2	10-22	9400	4	10-22	7200	4	10-22	7500	2	10-22	7000	4	10-22	6900	4	10-22		54
2000 H	24200	7600	2	9-20	16600	4	9-20														54
2120	45800	5000	2	9-20	16300	4	10-20	12500	4	10-20	11500	4	10-20								54
2000 L	5200	1700	2	6-16	2100	2	6-16														54
2000 L	10700	3400	2	7-20	15100	4	7-20														54
3000 H	33700	8600	2	10-20	11400	4	10-20	12700	4	10-20											54
2000 L	15000	5000	2	7-20	10800	2	7-20														54
2000 L	5000	2400	2	7-15	7000	2	7-15														54
2000 L	13000	4000	2	8-20	9000	4	8-20														54
2000 L	15700	3500	2	8-20	12200	4	8-20														54
2120	44000	6300	2	9-20	16400	4	10-20	11100	4	10-20	10500	4	10-22								54
2000 L	4400	1300	2	6-16	2500	2	6-16														54
2000 L	9200	2000	2	6-20	7200	4	6-20														54
2000 L	10100	3000	2	7-20	7100	4	7-20														54
2000 L	4200	2100	2	6-16	2100	2	6-16														54
2000 L	12600	3700	2	7-20	8900	4	6-20														54
2000 L	5100	3400	2	7-20	5700	4	7-20														54
2000 L	5000	1300	2	6-16	3100	2	6-16														54
2000 L	4200	1600	2	6-16	2400	2	6-16														54
2300 L	4700	2300	2	6-16	2500	2	6-16														54
3000 H	35800	7600	2	10-20	13800	4	10-20	15900	4	10-20											54
2000 L	5000	1700	2	6-16	2100	2	6-16														54
2000 L	5600	2000	2	6-16	3600	2	6-16														54
2000 L	6200	2400	2	7-20	4400	2	7-20														54
2000 L	4400	1800	2	6-16	2600	2	6-16														54
2000 L	5000	2000	2	6-16	3000	2	6-16														54
2000 L	14000	3100	2	6-20	10900	4	6-20														54
2000 H	15000	5700	2	9-20	9300	2	9-20														54
2000 L	5900	2000	2	7 1/2-15	3900	2	7 1/2-15														54

[illegible]

Vehicle type	Axle A				Axle B				Axle C				Axle D				Axle E				Axle F				Station at which weighed
	Total weight	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size	Axle load	of tires	Tire size						
Designation:	(lbs)	(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			(lbs)			(lbs)					
2000 M	13300	3800	2	8-20	9500	4	9-20														57				
2000 L	6000	2200	2	7-16	3800	2	7-16														57				
2000 L	13300	2600	2	7-20	10700	4	7-20														57				
2X10	29700	3600	2	9-20	14000	4	10-20	12100	4	10-20											57				
2000 L	12600	2600	2	7-20	10000	4	7-20														57				
2000 M	14900	3100	2	6-20	11800	4	6-20														57				
3003	64800	8300	2	10-22	12900	4	10-22	11500	4	10-22	11100	2	10-22	9500	4	10-22	11500	4	10-22		57				
2000 L	14800	3100	2	7-20	11700	4	8-20														57				
3003	50500	7800	2	12-20	10100	4	10-22	9900	4	10-22	11900	2	10-22	5600	4	10-22	5200	4	10-22		57				
2000 M	14200	3000	2	7-20	11200	4	7-20														57				
2000 L	11900	2800	2	6-20	9100	4	6-20														57				
2X10	38100	5000	2	10-22	16400	4	10-22	16700	4	10-22											57				
2000 L	17100	3500	2	8-20	13600	4	8-20														57				
2000 L	12600	3100	2	6-20	9500	4	6-20														57				
2000 L	4400	1700	2	6-16	2700	2	6-16														57				
3000 H	24200	5400	2	10-20	9300	4	10-20	9500	4	10-20											57				
2000 L	4200	1900	2	6-16	2300	2	6-16														57				
3003	49200	8100	2	10-20	11800	4	10-20	12900	4	10-20	7200	2	10-20	4600	4	10-20	4600	4	10-20		57				
3000 L	22800	5200	2	9-20	8900	4	9-20	8700	4	9-20											57				
3003	64300	8900	2	10-20	15100	4	10-20	14700	4	10-20	9900	2	10-20	7100	4	10-20	8600	4	10-20		57				
2000 L	14100	3000	2	6-20	11100	4	6-20														57				
2000 M	24500	5100	2	8-20	19400	4	9-20														57				
2X20	55700	6800	2	11-22	23700	4	11-22	10800	4	11-22	14200	4	11-22								57				
2X10	37800	4300	2	10-20	15400	4	10-20	18100	4	10-20											58				
2000 L	4600	1800	2	6-16	2800	2	6-16														58				
2000 L	8500	2700	2	7-20	5800	4	7-20														58				
2002	62200	10100	2	11-22	18600	4	11-22	15900	4	11-20	17600	4	11-20								58				
2000 L	6500	1900	2	6-20	4600	4	6-20														58				
2000 L	4300	1800	2	6-16	2500	2	6-16														58				
2000 L	4900	2000	2	6-16	2900	2	6-16														58				
2000 L	5900	1600	2	6-16	4300	2	6-16														58				
2000 L	3600	1600	2	6-16	2000	2	6-16														58				
2000 L	5600	1900	2	6-16	3700	2	6-16														58				
2000 L	4100	2100	2	6-16	2000	2	6-16														58				
3002	74500	9600	2	11-20	14400	4	11-20	14800	4	11-20	17800	4	11-20	17900	4	11-20					58				
2000 L	5800	2100	2	6-20	3700	4	6-20														58				
3000 M	13500	4600	2	7-20	5600	4	7-20	3300	4	7-20											58				
2000 L	4800	2200	2	6-16	2600	2	6-16														58				

Vehicle type designation	Axle A			Axle B			Axle C			Axle D			Axle E			Axle F			Stat at m weigh
	Total weight (lbs)	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	Tire of : size	Axle load (lbs)	
2000 M	12300	2900	2 : 8-20	9400	4 : 8 $\frac{1}{2}$ -20														60
2X10	22700	4400	2 : 9-20	9700	4 : 9-20	8600	4 : 9-20												60
3000 M	28700	6000	2 : 9-20	11600	4 : 9-20	11100	4 : 9-20												60
2X20	51400	5600	2 : 10-20	18300	4 : 11-20	13800	4 : 10-20	13700	4 : 10-20										60
3003	77600	9500	2 : 12-20	15100	4 : 11-20	15400	4 : 11-20	13800	2 : 11-20	10900	4 : 11-20	12900	4 : 11-20						60
2X20	45100	4900	2 : 9-20	17300	4 : 10-20	10300	4 : 10-20	12600	4 : 11-20										60
2000 M	20400	4100	2 : 8 $\frac{1}{2}$ -20	16300	4 : 9-20														60
2000 L	4700	2100	2 : 6-16	2600	2 : 6-16														60
3000 M	20600	6800	2 : 8 $\frac{1}{2}$ -20	7100	4 : 9-20	6700	4 : 9-20												60
2000 L	18500	3300	2 : 7 $\frac{1}{2}$ -20	15200	4 : 8 $\frac{1}{2}$ -20														60
2000 L	5300	2200	2 : 6-20	3100	2 : 6-20														60
2X10	24000	3600	2 : 8 $\frac{1}{2}$ -20	10300	4 : 8 $\frac{1}{2}$ -20	10100	4 : 9-20												60

* L - light
M - medium
H - heavy



LEGEND
NO. 24 FEDERAL AID PRIMARY ROUTE AND NUMBER
NO. 256 FEDERAL AID SECONDARY ROUTE AND NUMBER
20 LOADOMETER STATION

MAP OF
MONTANA
SHOWING
LOCATION OF LOADOMETER STATIONS
PREPARED BY
STATE HIGHWAY PLANNING SURVEY
IN COOPERATION WITH
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY